Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/04/2022 09:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123850	-1	7.60	123680	7.59
Blue	F	SSC	125000	124128	-1	8.06	124681	7.94
Blue	E	FITC	14284	13706	-5	8.01 (1)	385	17.02
Blue	D	PE	23919	23001	-4	7.89	548	14.67
Blue	B	PerCP-Cy5-5	31332	30383	-4	8.41	875	18.87
Blue	A	PE-Cy7	22272	22085	-1	10.62	455	38.11
Red	C	APC	47768	46944	-2	4.28	1622	12.81
Red	A	APC-Cy7	25313	24581	-3	5.39	694	14.30
Violet	B	V450	7085	6754	-5	8.32 (2)	476	14.64
Violet	A	V500	26969	25720	-5	8.20	885	11.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23490	7.89	608	19	N/A	N/A	Pass
Blue	F	SSC	53661	7.90	537	16	N/A	N/A	Pass
Blue	E	FITC	55	60.82	508	7	0.0314	71	Pass
Blue	D	PE	104	46.71	505	8	0.2415	250	Pass
Blue	B	PerCP-Cy5-5	131	49.96	598	10	0.0144	78	Pass
Blue	A	PE-Cy7	71	97.85	651	16	0.0150	0	Pass
Red	C	APC	333	28.11	583	3	0.0232	135	Pass
Red	A	APC-Cy7	126	39.25	558	3	0.0051	1319	Pass
Violet	B	V450	79	53.22	465	2	0.0428	2208	Pass
Violet	A	V500	102	34.10	476	2	0.0196	657	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.60	-31.23	1.02
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.06	13.60 - 20.40	N/A	N/A	29.54	29.95	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12674

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments